

### Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Original) A polyimide precursor liquid composition, comprising:

at least one type of tetracarboxylic dianhydride or derivative thereof;

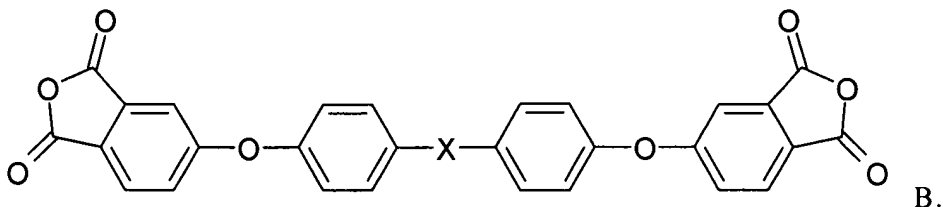
at least one type of diamine or derivative thereof; and

a polar polymerization solvent;

wherein the polyimide precursor liquid composition further includes a cyclic compound that has a 5 member ring structure that includes a carbonyl group (C=O bond);

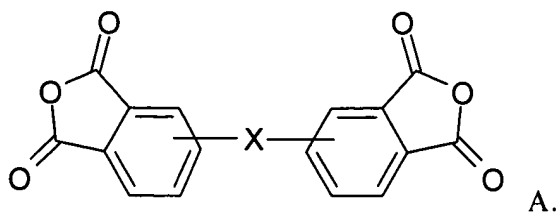
wherein the cyclic compound has a boiling point of 200°C or more and comprises carbon, hydrogen and oxygen atoms and does not include hetero atoms of nitrogen, phosphorous and sulfur; and

wherein the tetracarboxylic dianhydride or derivative thereof includes the chemical formula B described below (where X represents – O –, – S –, – SO –, – SO<sub>2</sub> –, – CH<sub>2</sub> –, – CF<sub>2</sub> –, – C(CH<sub>3</sub>)<sub>2</sub> –, – C(CF<sub>3</sub>)<sub>2</sub> – or a direct bond);

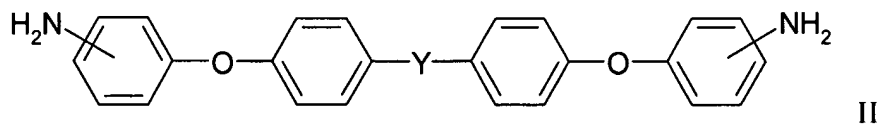
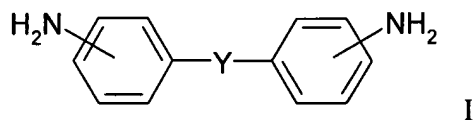


2.(Currently amended) The polyimide precursor liquid according to claim 1,

wherein the tetracarboxylic dianhydride or derivative thereof further comprises the following chemical formula A (where X represents – O –, – S –, – SO –, – SO<sub>2</sub> –, – CH<sub>2</sub> –, – CF<sub>2</sub> –, – C(CH<sub>3</sub>)<sub>2</sub> –, – C(CF<sub>3</sub>)<sub>2</sub> – or a direct bond), ~~and the mixing ratio thereof is in a range, in terms of mole ratio, of chemical formula A : chemical formula B = 1:9 to 5:5;~~



3. (Original) The polyimide precursor liquid composition according to claim 1, wherein the diamine or derivative thereof is one type of compound selected from the group consisting of the following chemical formulae I and II (where Y represents  $-O-$ ,  $-S-$ ,  $-SO-$ ,  $-SO_2-$ ,  $-CH_2-$ ,  $-CF_2-$ ,  $-C(CH_3)_2-$ ,  $-C(CF_3)_2-$ ,  $-CO-$  or a direct bond);



4. (Original) The polyimide precursor liquid composition according to claim 1, wherein the dielectric constant of the cyclic compound is not less than 30.
5. (Original) The polyimide precursor liquid composition according to claim 1, wherein the dipole moment of the cyclic compound is not less than 3 debye.
6. (Original) The polyimide precursor liquid composition according to claim 1, wherein when the solids portion of the polyimide precursor liquid is 100 mass parts, the polar polymerization solvent is in the range of 150 to 900 mass parts, and the cyclic compound is in the range of 15 to 750 mass parts.

7. (Original) The polyimide precursor liquid composition according to claim 1,  
wherein the polyimide precursor is polymerized in the polar  
polymerization solvent, after which the cyclic compound is added.

8. (Original) A polyimide coating film that is obtained by converting a  
polyimide precursor liquid composition into an imide, the polyimide precursor  
liquid composition comprising:

at least one type of tetracarboxylic dianhydride or derivative thereof;

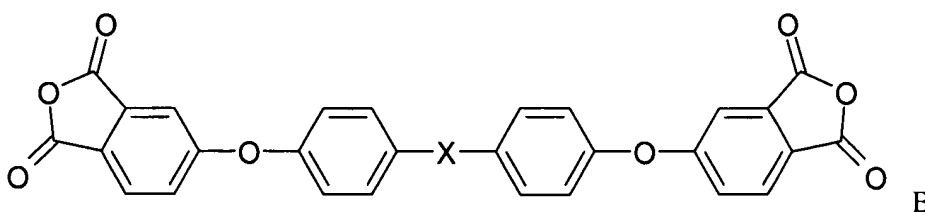
at least one type of diamine or derivative thereof; and

a polar polymerization solvent;

wherein the polyimide precursor liquid composition further includes a  
cyclic compound that has a 5 member ring structure that includes a carbonyl  
group (C=O bond);

wherein the cyclic compound has a boiling point of 200°C or more and  
comprises carbon, hydrogen and oxygen atoms and does not include hetero  
atoms of nitrogen, phosphorous and sulfur; and

wherein the tetracarboxylic dianhydride or derivative thereof includes a  
chemical formula B described below (where X represents – O –, – S –, – SO –,  
– SO<sub>2</sub> –, – CH<sub>2</sub> –, – CF<sub>2</sub> –, – C(CH<sub>3</sub>)<sub>2</sub> –, – C(CF<sub>3</sub>)<sub>2</sub> – or a direct bond);



9. (Currently amended) The polyimide coating film according to claim 8,

wherein when the polyimide coating film is a ~~film or~~ coating film that  
has a thickness of  $50 \pm 10$  micrometers ( $\mu\text{m}$ ) and is irradiated with light of 420  
nanometers (nm), the polyimide coating film shows a transmittance of 50% or  
more.

10. (Original)        The polyimide coating film according to claim 8,  
                         wherein the glass transition temperature (T<sub>g</sub>) of the polyimide coating  
film is 200°C or more.
11. (Original)        The polyimide coating film according to claim 8,  
                         wherein the water absorption of the polyimide coating film is 2.0% or  
less.
12. (Original)        The polyimide coating film according to claim 8,  
                         wherein at least a single layer of a transparent, electrically conductive  
film is further formed on at least one side of the polyimide coating film.
13. (Original)        The polyimide coating film according to claim 12,  
                         wherein the electric resistance of the transparent, electrically conductive  
film is  $1 \times 10^{-2} \Omega \cdot \text{cm}$  or less.
14. (Original)        The polyimide coating film according to claim 8,  
                         wherein at least a single layer of a transparent film further is formed on  
at least one side of the polyimide coating film.
15. (Original)        The polyimide coating film according to claim 14,  
                         wherein at least a single layer of a transparent, electrically conductive  
film is further formed on at least one side of the transparent film.
16. (Original)        The polyimide coating film according to claim 15,

wherein the electric resistance of the transparent, electrically conductive film is  $1 \times 10^{-2} \Omega \cdot \text{cm}$  or less.

17. (Currently amended)The polyimide coating film according to claim 8,  
wherein the tetracarboxylic dianhydride or derivative thereof further includes a chemical  
formula A described below (where X represents O —, — S —, — SO —, — SO<sub>2</sub> —, — CH<sub>2</sub> —, —  
CF<sub>2</sub> —, — C(CH<sub>3</sub>)<sub>2</sub> —, — C(CF<sub>3</sub>)<sub>2</sub> — or a direct bond),~~and the mixing ratio thereof is in a  
range, in terms of mole ratio, of chemical formula A : chemical formula B = 1:9 to 5:5;~~

